

UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANTS: RODRIGUEZ ET AL. GRP. ART UNIT: 2711  
APPL. NO.: 09/590,521 EXAMINER: NOT ASSIGNED  
FILED: JUNE 9, 2000 DOCKET NO.: A-5704  
TITLE: SYSTEMS AND METHODS FOR ADAPTIVE SCHEDULING AND DYNAMIC  
BANDWIDTH RESOURCE ALLOCATION MANAGEMENT IN A DIGITAL  
BROADBAND DELIVERY SYSTEM

SEPTEMBER 18, 2000

**TRANSMITTAL OF RESPONSE TO NOTICE TO FILE MISSING PARTS**

Box MISSING PARTS  
Commissioner for Patents  
Washington, DC 20231

Dear Sir:

Transmitted herewith for filing in the above-identified patent application, please find:

- |    |          |  |
|----|----------|--|
| 1. | <u>X</u> | Response to Notice of Missing Parts with Transmittal in duplicate      |
| 2. | <u>X</u> | Copy of Notice to File Missing Parts                                   |
| 3. | <u>X</u> | 3 Page Declaration and Power of Attorney                               |
| 4. | <u>X</u> | 2 Page Assignment with Recordation Form Cover Sheet                    |
| 5. | <u>X</u> | Request for Correction of Filing Receipt with Transmittal in duplicate |
| 6. | <u>X</u> | Copy of Filing Receipt with errors marked in red                       |
| 7. | <u>X</u> | Return Postcard  |

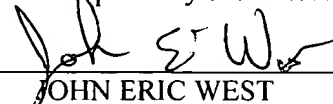
Please charge the late filing fee of \$130.00 due to Deposit Account No. 19-0761. A duplicate original of this sheet is enclosed.

**SEND CORRESPONDENCE TO:**

Scientific-Atlanta, Inc.  
Intellectual Property Department  
One Technology Parkway, South  
Norcross, GA 30092-2967

Respectfully submitted:

By:

  
JOHN ERIC WEST

Agent of Record  
Reg. No.: 46,279  
Phone: (770) 236-4872  
Fax No.: (770) 903-4806

**Certificate of Mailing**

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to the:

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Commissioner for Patents  
Washington, DC 20231

on SEPTEMBER 18, 2000.

  
Marcia Burdick



UNITED STATES PATENT AND TRADEMARK OFFICE

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MANAGEMENT IN A DIGITAL BROADBAND DELIVERY SYSTEM  
SEPTEMBER 18, 2000

**TRANSMITTAL OF REQUEST FOR  
CORRECTION OF FILING RECEIPT**

Commissioner for Patents  
Washington, DC 20231

Sir:

Transmitted herewith for filing in the above-identified patent application, please find:

1. X Request for Correction of Filing Receipt with Transmittal in duplicate
2. X Copy of Filing Receipt with errors marked in red

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Respectfully submitted:

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SEPTEMBER 18, 2000

**RESPONSE TO NOTICE TO FILE MISSING PARTS**

Box MISSING PARTS  
Commissioner for Patents  
Washington DC 20231

Dear Sir:

The Notice to File Missing Parts mailed on September 1, 2000, indicates that a properly signed oath of declaration is missing from the present application. A properly signed Patent Application Declaration Combined With Power Of Attorney is included with this response. Applicants respectfully submit that the enclosed document satisfies the requirements of 37 CFR 1.63.

Respectfully submitted:

**SEND CORRESPONDENCE TO:**

Scientific-Atlanta, Inc.  
Intellectual Property Department  
One Technology Parkway, South  
Norcross, GA 30092-2967

By: 

JOHN ERIC WEST  
Agent of Record  
Reg. No.: 46,279  
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Fax No.: (770) 903-4806

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on SEPTEMBER 18, 2000.

  
Marcia Burdick



UNITED STATES PATENT AND TRADEMARK OFFICE

#26  
W. Lawson  
8/26/04

APPLICANTS: RODRIGUEZ ET AL. GRP. ART UNIT: 2711  
APPL. NO.: 09/590,521 EXAMINER: NOT ASSIGNED  
FILING DATE: JUNE 9, 2000 DOCKET NO.: A-5704  
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DYNAMIC BANDWIDTH RESOURCE ALLOCATION  
MANAGEMENT IN A DIGITAL BROADBAND DELIVERY SYSTEM  
SEPTEMBER 18, 2000

**REQUEST FOR CORRECTION OF FILING RECEIPT**

Commissioner for Patents  
Washington, DC 20231

Sir:

Request is hereby made for correction of the Official Filing Receipt in the subject application in that the Official Filing Receipt has printed incorrect information. A copy of the filing receipt with the error corrected in red has been attached for your convenience. Accordingly, please issue a corrected filing receipt as follows:

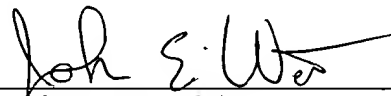
For Continuing Data as Claimed by Applicant, delete "which" and insert therefor -- AND --.

Respectfully submitted:

**SEND CORRESPONDENCE TO:**

Scientific-Atlanta, Inc.  
Intellectual Property Department  
One Technology Parkway, South  
Norcross, GA 30092-2967

By:

  
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Washington, DC 20231

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Marcia Burdick



## UNITED STATES PATENT AND TRADEMARK OFFICE

COMMISSIONER FOR PATENTS  
UNITED STATES PATENT AND TRADEMARK OFFICE  
WASHINGTON, D.C. 20231  
www.uspto.gov

| APPLICATION NUMBER | FILING DATE | GRP ART UNIT | FIL FEE REC'D | ATTY. DOCKET NO | DRAWINGS | TOT CLAIMS | IND CLAIMS |
|--------------------|-------------|--------------|---------------|-----------------|----------|------------|------------|
| 09/590,521         | 06/09/2000  | 2711         | 876           | A-5704          | 4        | 26         | 4          |

5642  
SCIENTIFIC-ATLANTA, INC.  
DEPUTY GENERAL COUNSEL  
FOR INTELLECTUAL PROPERTY  
ONE TECHNOLOGY PARKWAY SOUTH  
NORCROSS, GA 300922967

## FILING RECEIPT



Date Mailed: 09/01/2000

Receipt is acknowledged of this nonprovisional Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please write to the Office of Initial Patent Examination's Customer Service Center. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the PTO processes the reply to the Notice, the PTO will generate another Filing Receipt incorporating the requested corrections (if appropriate).

## Applicant(s)

Arturo A. Rodriguez, Norcross, GA ;  
Dean F. Jerding, Roswell, GA ;

## Continuing Data as Claimed by Applicant

THIS APPLN CLAIMS BENEFIT OF 60/138,756 06/11/1999  
WHICH CLAIMS BENEFIT OF 60/170,302 12/13/1999

AND

## Foreign Applications

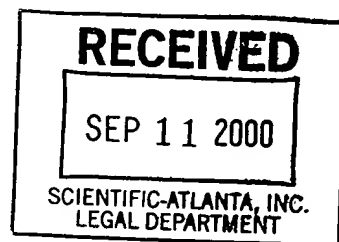
If Required, Foreign Filing License Granted 08/03/2000

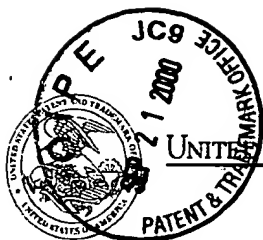
## Title

Systems and methods for adaptive scheduling and dynamic bandwidth resource allocation management in a digital broadband delivery system

## Preliminary Class

348





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 Sector \$  
 #3

| APPLICATION NUMBER | FILING/RECEIPT DATE | FIRST NAMED APPLICANT | ATTORNEY DOCKET NUMBER |
|--------------------|---------------------|-----------------------|------------------------|
| 09/590,521         | 06/09/2000          | Arturo A. Rodriguez   | A-5704                 |

5642

 SCIENTIFIC-ATLANTA, INC.  
 DEPUTY GENERAL COUNSEL  
 FOR INTELLECTUAL PROPERTY  
 ONE TECHNOLOGY PARKWAY SOUTH  
 NORCROSS, GA 300922967

## FORMALITIES LETTER



\*OC000000005371863\*

Date Mailed: 09/01/2000

## NOTICE TO FILE MISSING PARTS OF NONPROVISIONAL APPLICATION

FILED UNDER 37 CFR 1.53(b)

*Filing Date Granted*

An application number and filing date have been accorded to this application. The item(s) indicated below, however, are missing. Applicant is given TWO MONTHS from the date of this Notice within which to file all required items and pay any fees required below to avoid abandonment. Extensions of time may be obtained by filing a petition accompanied by the extension fee under the provisions of 37 CFR 1.136(a).

- The oath or declaration is unsigned.
- To avoid abandonment, a late filing fee or oath or declaration surcharge as set forth in 37 CFR 1.16(e) of \$130 for a non-small entity, must be submitted with the missing items identified in this letter.
- The balance due by applicant is \$ 130.

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*A copy of this notice **MUST** be returned with the reply.*

Customer Service Center

Initial Patent Examination Division (703) 308-1202

PART 2 - COPY TO BE RETURNED WITH RESPONSE

09/22/2000 HVUON61 00000015 190761 09590521

01 FC:105 130.00 CH